

INTERNATIONAL SEARCH REPORT

Internat Application No

PCT/NO 03/00183

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/66 H04J3/16 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 47199 A (ERICSSON TELEFON AB L M) 28 June 2001 (2001-06-28) page 1, line 24 -page 2, line 24 page 3, line 9 -page 4, line 5 page 6, line 4 - line 10 page 7, line 10 -page 9, line 12 abstract	1-11
X	US 2003/016697 A1 (JORDAN REUVEN D) 23 January 2003 (2003-01-23) paragraph [0025] - paragraph [0026] claims 1,6,16,22,28,29	1-11
X	WO 98 51113 A (NORTHERN TELECOM LTD ;DOLBY RIKI BENJAMIN (GB); JENKINS NIGEL PHIL) 12 November 1998 (1998-11-12) page 12, line 30 -page 13, line 23	1
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search

19 December 2003

Date of mailing of the international search report

02.02.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

NABIL SEBAA/MN

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 790 552 A (BATTS MICHAEL DENIS ET AL) 4 August 1998 (1998-08-04) abstract ---	1
P,X	US 6 633 566 B1 (PIERSON JR FORREST L) 14 October 2003 (2003-10-14) column 3, line 44 -column 4, line 15 claims 1,5,9,16; figure 5 abstract ---	1-11
A	WO 97 08838 A (AUTRY GEORGE M IV ;LUTTRELL EDWARD N (US); RODERIQUE WILLIAM J (US) 6 March 1997 (1997-03-06) page 6, line 25 -page 8, line 17 page 24, line 1 -page 25, line 15 abstract -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NO 03/00183

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0147199	A	28-06-2001	SE 520080 C2 AU 2416301 A CN 1413402 T WO 0147199 A1 SE 9904695 A	20-05-2003 03-07-2001 23-04-2003 28-06-2001 22-06-2001
US 2003016697	A1	23-01-2003	WO 03009502 A2	30-01-2003
WO 9851113	A	12-11-1998	AU 7221198 A EP 0979566 A2 WO 9851113 A2 US 6038231 A	27-11-1998 16-02-2000 12-11-1998 14-03-2000
US 5790552	A	04-08-1998	DE 69418763 D1 DE 69418763 T2 EP 0618706 A2 ES 2132337 T3 GB 2276518 A ,B JP 3396852 B2 JP 7007514 A	08-07-1999 11-11-1999 05-10-1994 16-08-1999 28-09-1994 14-04-2003 10-01-1995
US 6633566	B1	14-10-2003	NONE	
WO 9708838	A	06-03-1997	AU 6721096 A WO 9708838 A2	19-03-1997 06-03-1997